

Fig. 1

Position Ab
Position Aa
Position Z
Position Y
Position X
Position W
Position V
Position U
Position T
Position S
Position R
Position Q
Position P
Position O
Position N
Position M
Position L
Position K
Position J
Position I
Position H
Position G
Position F
Position E
Position D
Position C
Position B
Position A

Sequence 1 qδgπrrrrgπgggδδ-πrrgπδgrδπδgr

Sequence 2 qδgπrrrrgπgggδδ-πrrgπδgrδπδgr

Sequence 3 ρδgππgrgXgδgδδ-ππrwπgπrδπggρ

Sequence 4 ρδgππgrgδrggδδ-ππrrππgπδπggρ

Sequence 5 ρδgππgrgδrggδδ-ππrrππgπδπggρ

Sequence 6 ρδgππgrgπgδgδδ-πrrgπδgrgπggρ

Sequence 7 ρδgππgrgsgδgδδ-πrrππδgrgπggρ

Sequence 8 ρδgππgrgπgδgδδxπrrgπδgrgπggρ

Fig. 2

$I \times S$

	g	w	ρ	π
π	4	0	0	0
x	0	1	0	0
δ	0	0	2	0
s	0	0	0	1

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Fig. 3(a)

$I \times S$

	g	w	ρ	π
π	2	0.5	1	0.5
x	0.5	0.125	.25	0.125
δ	1	.25	.5	.25
s	.5	0.125	.25	0.125

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Fig. 3(b)

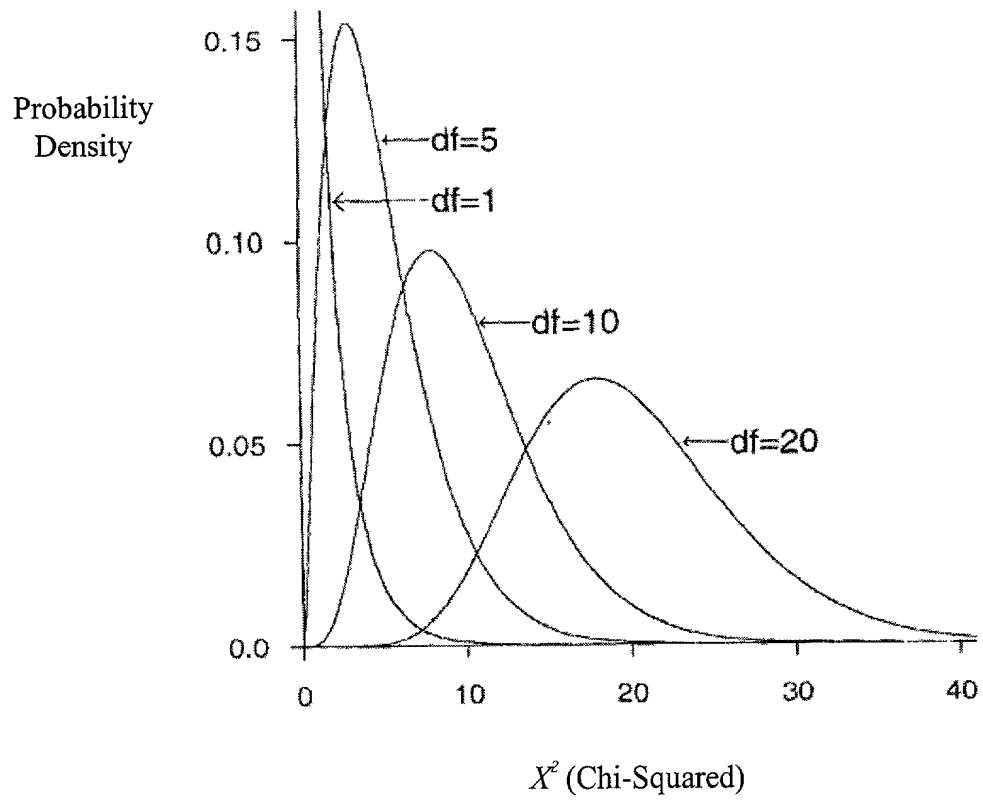


Fig. 4

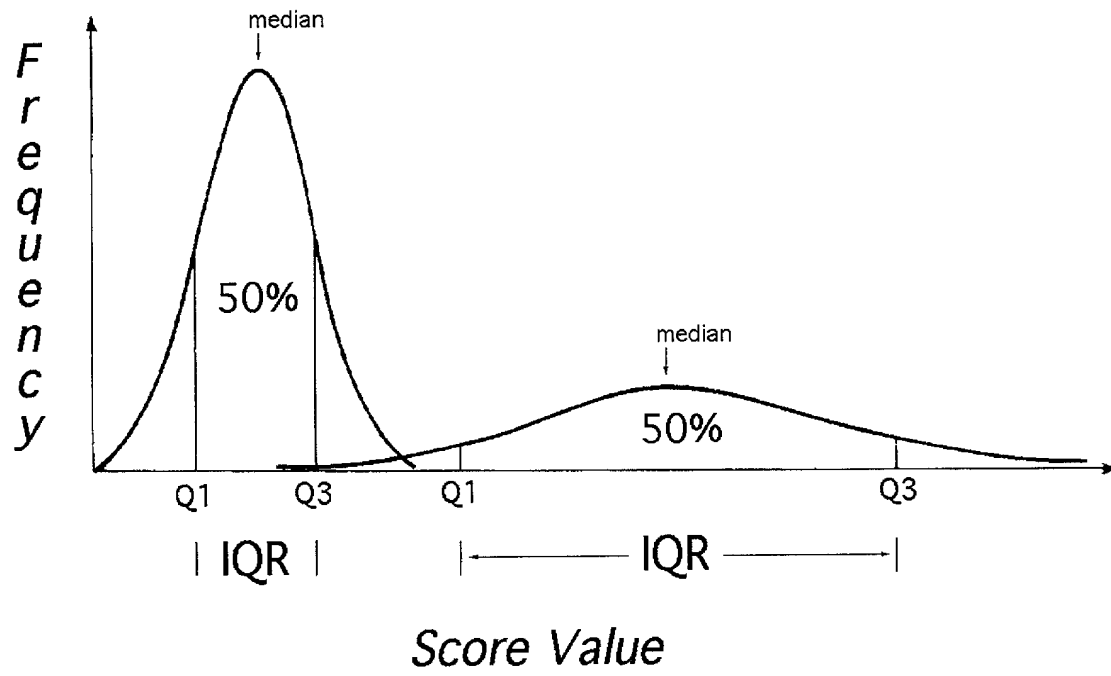


Fig. 5

Positions
2 x 10

	C	T	G	
G	83	24	0	61
A	0	18	0	
C	0	0	2	

Fig. 6(a)

Positions
2 x 10

	C	T	G	
G	6.69172	-5.89562	-3.29715	62
A	-6.28981	6.51493	-0.57928	
C	-1.95783	-1.00202	11.26943	

Fig. 6(b)

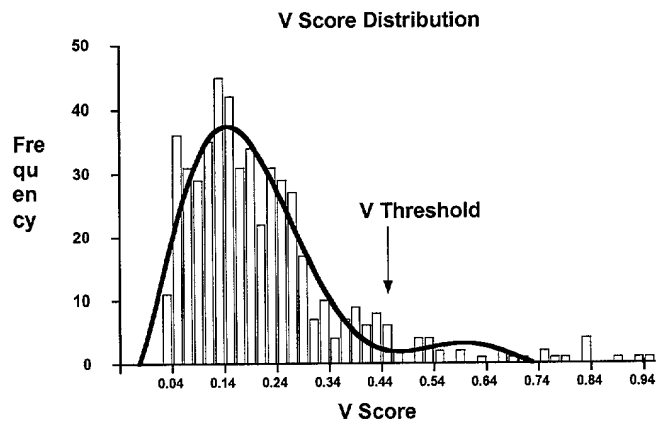


Fig. 7(a)

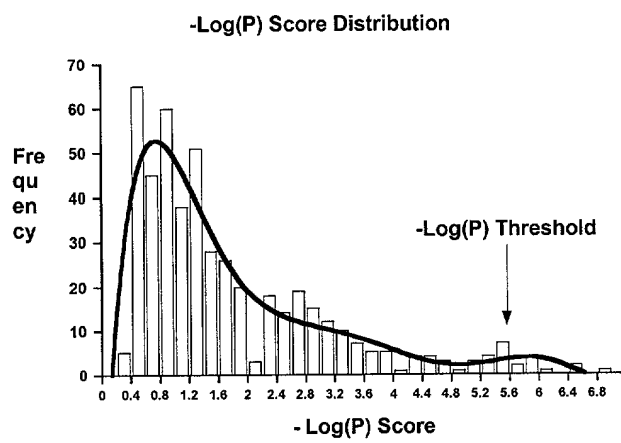


Fig. 7(b)

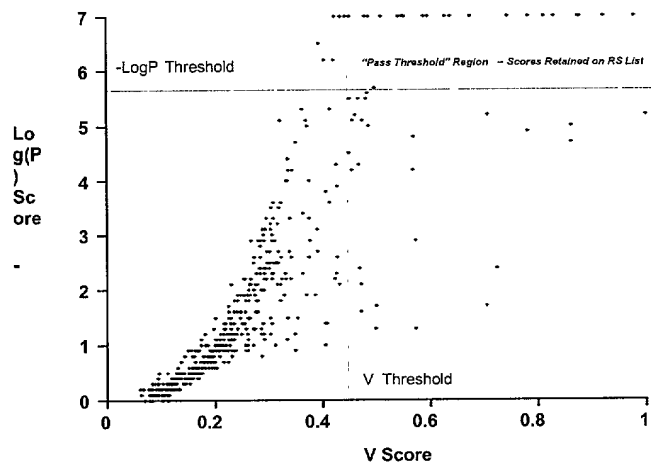


Fig. 7(c)

**SHEVEK Predicted
Structure**

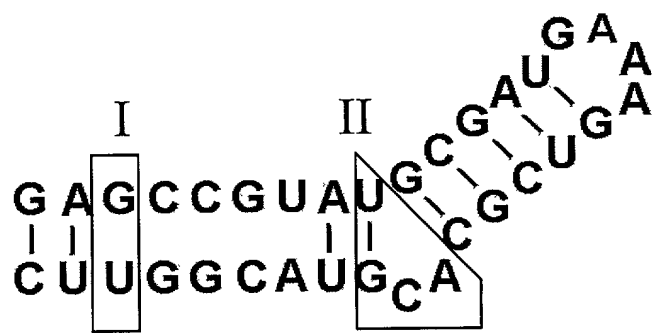


Fig. 8(a)

**Biochemically
Predicted Structure**

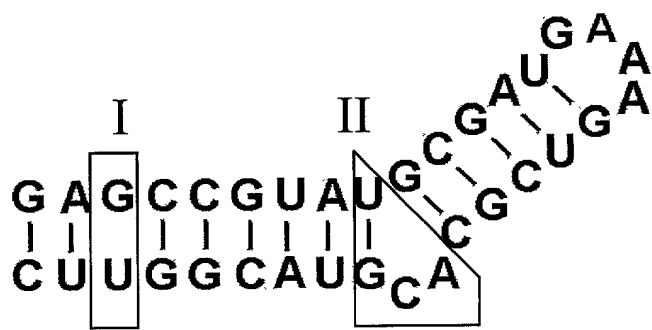


Fig. 8(b)

Shevek Predictions						
Pos1	Pos2	Crm V	(-1)logP	DF	Corresponding Positions	
2	93	0.83011	6	4	2-C	71-G
5	90	0.79957	6	12	5-A	68-U
6	89	0.96785	6	12	6-U	67-A
7	88	0.87933	6	4	7-U	66-A
10	48	0.94944	6	2	10-m2G	45-G
71	87	0.95895	6	8	49-m5C	65-G
74	84	1	6	4	52-U	62-A

Fig. 9(a)



Fig. 9(b)

		Shevek Predictions				
Pos1	Pos2	Crm V	(-1)logP	DF	Corresponding Positions	
30	121	0.88097	8	14	22-Ala	84-Ile
64	112	0.78824	7.69897	42	50-Ile	81-Pro

Fig. 10(a)



Fig. 10(b)



Fig. 10(c)

		Shevek Predictions				
Pos1	Pos2	Crm V	(-1)logP	DF	Corresponding Positions	
18	69	0.7102	7	36	19-Ala	66-Leu
87	143	0.96041	7	14	84-Ser	139-Lys

Fig. 11(a)

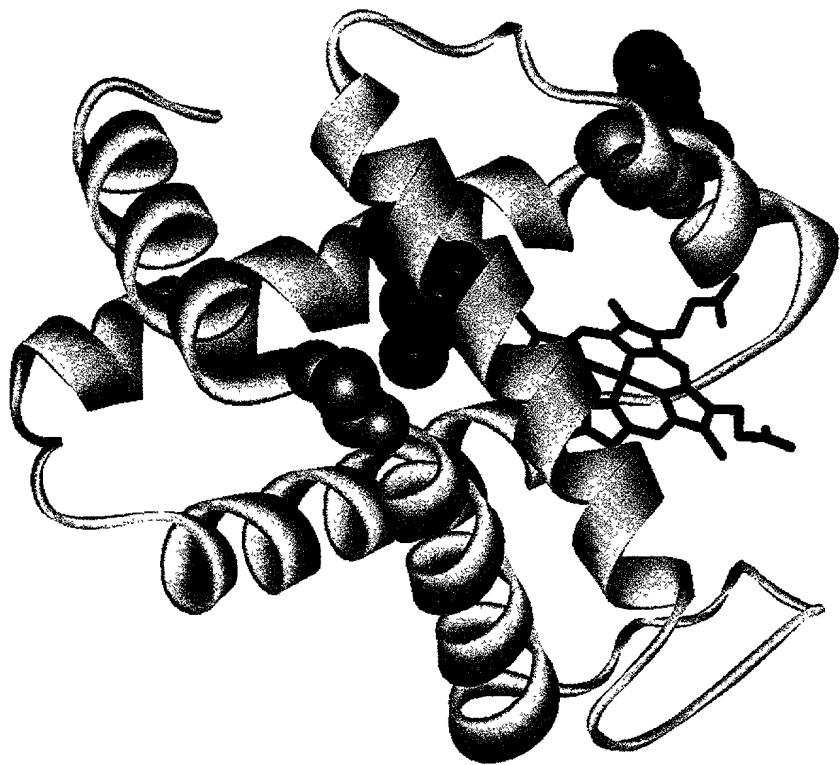


Fig. 11(b)